This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) Polymerizable, luminescent compounds of formula I

$$R^1 \longrightarrow Q \longrightarrow Q$$
 $\longrightarrow R^2$

wherein

 R^1 , R^2 are independently of each other H, halogen, NO₂, CN, NCS, straight chain, branched or cyclic alkyl with 1 to 25 C-atoms wherein one or more CH₂ groups may also be replaced by -CO-, -O-, -S-, -NR°-, -CH=CH-, -C \equiv C- in such a manner that O- and/or S-atoms are not linked directly to one another, and wherein one or more H-atoms may also be replaced by F or Cl, or denotes P-(Sp-X)_n-,

Sp is a spacer group with 1 to 20 C-atoms,

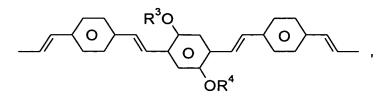
P is a polymerizable group,

X is -O-, -S-, -CO-, -COO-, -CO-NR°-, -NR°-CO-, -NR°- or a single bond,

n is 0 or 1,

R^o is H or alkyl with 1 to 5 C-atoms,

Q is one of the following subformulae



R³, R⁴ are independently of each other straight chain, branched or cyclic alkyl with 1 to 15 C-atoms wherein one or more H-atoms may also be replaced by F or Cl, or denotes P-(Sp-X)_n-,

- p is 0 or 1,
- L¹ is H, F or CN

with the proviso that

- a) the compounds of formula I contain one, two or more groups - $(X-Sp)_n$ -P,
- b) if Q denotes \bigcirc , then R^1 is -O-Sp-P, R^2 is -CN, wherein P is not \bigcirc R^5

with R⁵ denoting H, Cl or alkyl with 1 to 5 C-atoms,

c) if Q denotes ______, then
$$R^1$$
 is $-N < \frac{Sp-P}{R^3}$ and R^2 is $-NO_2$

i) wherein P is not
$$\xrightarrow{\text{OOC}}$$
 and P is not

$$\bigcap_{O} R^5$$
 or

- ii) L^1 is F or CN.
- 2. (Original) Compounds according to claim 1 selected from the following formulae

$$R^{1}$$
 O N O N O N O N O N O N

$$R^1 \longrightarrow 0 \longrightarrow N \longrightarrow 0 \longrightarrow R^2$$
 Ib

$$P-Sp-O \longrightarrow O \longrightarrow O \longrightarrow CN$$
 Ic

$$R^{1} \longrightarrow C = C \longrightarrow C = C \longrightarrow O \longrightarrow R^{2}$$
 Ie

$$\begin{array}{c|c} & & & \\ P-Sp & & & \\ \hline R^3 & N & & \\ \end{array}$$

wherein

R¹, R², R³, R⁴, P, Sp, L¹ and p are defined as in claim 1 with the proviso that

- a) in formula Ic P is not R⁵ denotes

 H, Cl or alkyl with 1 to 5 C-atoms,
- b) in formula If
 - i) P is not $\xrightarrow{-OOC}$ and P is not \bigcirc R^5

wherein R⁵ has the meaning given above or

- ii) L¹ is F or CN.
- (Currently Amended) Compounds according to claim 1 or 2 wherein P is selected from

$$= \underbrace{ \begin{array}{c} R^{5} \\ (O)_{k^{-}} \end{array} }_{(O)_{k^{-}}} H_{3}C(H)C = \underbrace{ \begin{array}{c} R^{5} \\ (O)_{k^{-}} \end{array} }_{(O)_{k^{-}}} = \underbrace{ \begin{array}{c} R^{5} \\ (O)_{-} \end{array} }_{(O)_{-}} = \underbrace{ \begin{array}{c} R^{5} \\ (O)_{-} \end{array} }_{(O)_{k^{-}}} = \underbrace{ \begin{array}{c} R^{5} \\ (O)_{-} \end{array} }_{(O)_{k^{-}}} = \underbrace{ \begin{array}{c} R^{5} \\ (O)_{-} \end{array} }_{(O)_{-}} = \underbrace{ \begin{array}{c} R^{5} \\ (O)_{-$$

wherein

R⁵ is H, Cl or alkyl with 1 to 5 C-atoms,

R⁶,R⁶',R⁶'' are independently of each other -Cl, -O-alkyl and/or -O-CO-alkyl with alkyl having 1 to 5 C-atoms and

k is 0 or 1.

- 4. (Currently Amended) Polymerizable mixture comprising at least one compound according to one of the claims 1 to 3 Claim 1.
- 5. (Original) Polymerizable mixture according to claim 4 further comprising at least one polymerizable mesogenic compound of formula II

$$P - \left(Sp-X\right)_{n}MG-R^{21}$$
 II

wherein

P is a polymerizable group,

Sp is a spacer group having 1 to 20 C-atoms,

X is a group selected from -O-, -S-, -CO-, -COO-, -O-COO-, -SO₂-O-, -O-SO₂- or a single bond,

n is 0 or 1,

- R²¹ is H or an alkyl radical with up to 25 C atoms which may be unsubstituted, mono- or polysubstituted by halogen or CN, it being also possible for one or more non-adjacent CH₂ groups to be replaced, in each case independently from one another, by O-, -S-, -NH-, -N(CH₃)-, -CO-, -COO-, -OCO-, -OCO-O-, -S-CO-,
 - -CO-S- or -C≡C- in such a manner that oxygen atoms are not linked directly to one another, or alternatively R²¹ is halogen, cyano or has independently one of the meanings given for P-(Sp-X)_n-,

MG is a mesogenic or mesogenity supporting group.

6. (Original) Polymerizable mixture according to claim 5 wherein MG is a mesogenic or mesogenity supporting group of formula III

 $-\left(-A^{31}-Z^{31}\right)_{m}A^{32}-Z^{32}A^{33}$ III

wherein

- A³¹, A³², A³³ being independently from one another 1,4-phenylene in which, in addition, one or more CH groups may be replaced by N, 1,4-cyclohexylene in which, in addition, one or two non-adjacent CH₂ groups may be replaced by O and/or S, 1,4-cyclohexenylene or naphthalene-2,6-diyl, it being possible for all these groups to be unsubstituted, mono- or polysubstituted with halogen, cyano or nitro groups or alkyl, alkoxy or alkanoyl groups having 1 to 7 C atoms wherein one or more H atoms may be substituted by F or Cl,
- Z^{31} , Z^{32} being independently from one another -O-, -CO-, -COO-, -OCO-, -SO₂-O-, -O-SO₂-, -CH₂CH₂-, -OCH₂-, -CH₂O-, -CH=CH-, -C \equiv C-, -CH=CH-COO-, -OCO-CH=CH- or a single bond and

m being 0, 1 or 2.

- 7. (Currently Amended) Polymerizable mixture according to elaim 4, 5 or 6

 Claim 4 further comprising at least one polymerizable and photoorientable compound.
- 8. (Original) Polymerizable mixture according to claim 7 characterized in that the polymerizable and photoorientable compound is denoted by the formula IV

$$P-(Sp-X)_n-A^{41}-A^{42}-Z^4-A^{43}-A^{44}-R^{41}$$
 IV

wherein

P is a polymerizable group,

Sp is a spacer group having 1 to 20 C-atoms,

X is a group selected from -O-, -S-, -CO-, -COO-, -O-COO-, -SO₂-O-, -O-SO₂- or a single bond,

n is 0 or 1,

A⁴¹, A⁴²,
A⁴³, A⁴⁴ are independently of each other 1,4-phenylene, wherein 1, 2, 3 or 4 H-atoms may be replaced by F or Cl,

A⁴¹, A⁴⁴ may in addition to the above given meaning denote independently of each other a single bond,

is -N=N-, -CH=CH- or $+O + CH_2 + CH$

R⁴¹ is H, halogen, NO₂, CN, SCN, straight chain, branched or cyclic alkyl with 1 to 25 C-atoms wherein one or more CH₂ groups can also be replaced by -O-, -S-, -NR^o-, -CH=CH-, -C≡C- in such a manner that O- and/or S-atoms are not linked directly to one another, and wherein one or more H-atoms can also be replaced by F or Cl, or denotes P-(Sp-X)_n-.

- 9. (Currently Amended) Polymer material obtainable by polymerizing a polymerizable mixture according to one of the claims 4 to 8 Claim 4.
- 10. (Original) Polymer material according to claim 9 obtainable by a process comprising the following steps
 - a) forming a thin layer of the polymerizable material,
 - b) aligning the molecules of the compounds of the mixture in the thin layer into a uniform orientation or a patterned orientation such that in each pattern the orientation is uniform,
 - c) polymerizing said polymerizable material.

- 11. (Currently Amended) Use of a compound according to one of the claims 1 to 3

 <u>Claim 1</u> or of a polymerizable mixture according to one of the claims 4 to 8 for the manufacture of photoluminescent and/or electroluminescent polymer material.
- 12. (Currently Amended) Use of a polymer material according to claim 9 or 10 as a photo- and/or electroluminescent material in a light emitting device, an optical or electrooptical display element.
- 13. (Currently Amended) Light emitting device comprising a polymer material according to claim 9 or 10 as a photo- and/or electroluminescent material.
- 14. (Currently Amended) Optical or electrooptical display element comprising a polymer material according to claim 9 or 10 as a photo- and/or electro-luminescent material.
- 15. (New) Use of a polymerizable mixture according to Claim 4 for the manufacture of photoluminescent and/or electroluminescent polymer material.